ATLAS

ACCOMPANYING VOLUMES I & IV.

GEOLOGICAL SURVEY

OF WISCONSIN.

T. C. CHAMBERLIN,

Chief Geologist.

R. D. IRVING,

Assistant Geologist.

J. E. DAVIES and J. WILSON, Jr.

Special Contributors.

1882.

THE MILWAUKEE LITHO & ENGR. CO.

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Map Collection

Map Case
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.C5
1882
.A95

LEAD and ZINC DEPOSITS

MAP of ORE-BEARING CREVICES of POTOSI and VICINITY

by James Wilson, Jr.

Scale 1 inch = 1 mile

Scale of Profile
1 inch = 500 ft. horizontal
1 inch = 50 ft. vertical

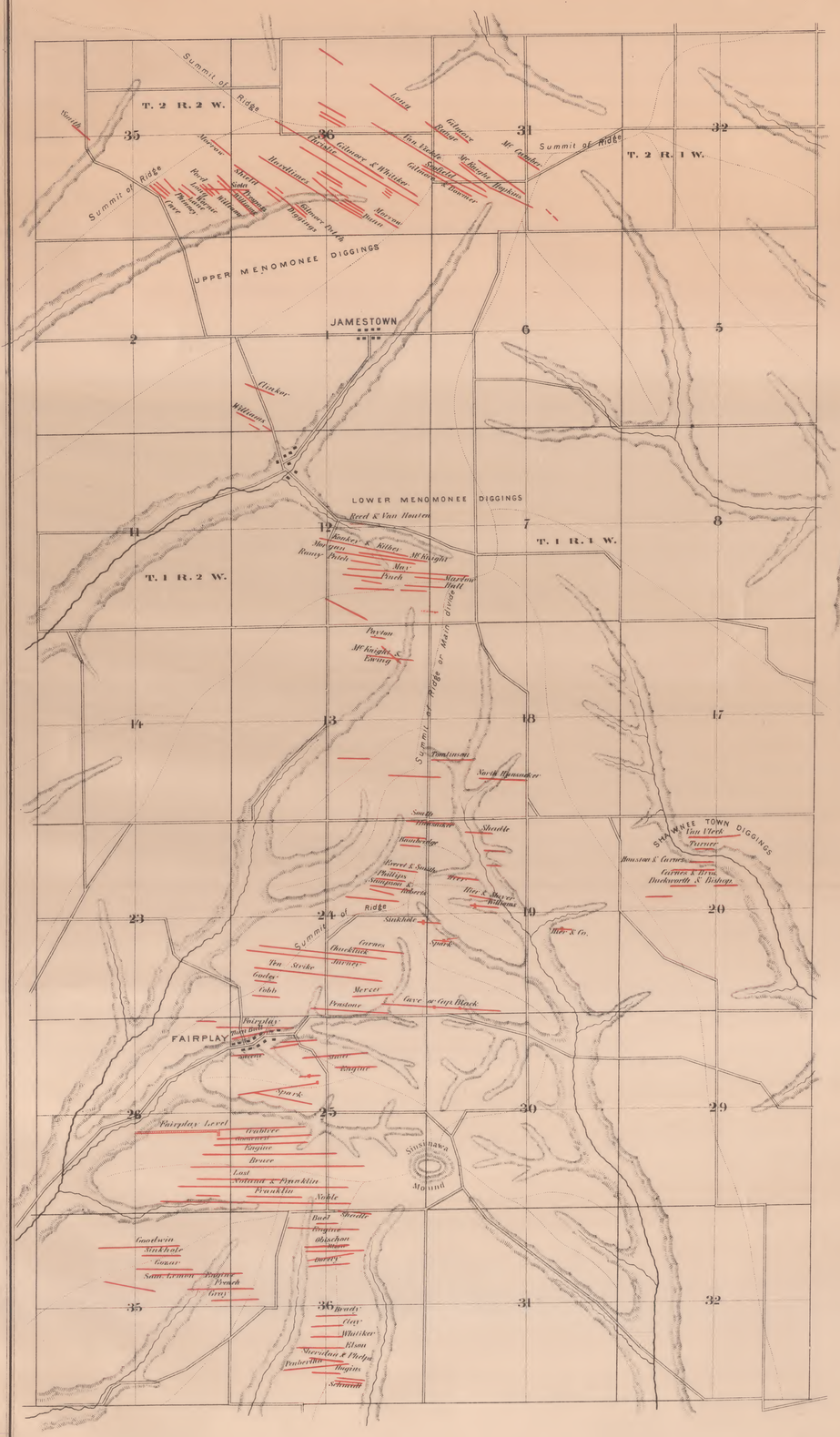
PLATE XXXV

WISCONSIN GEOLOGICAL SURVEY.
T. C. CHAMBERLIN, CHIEF GEOLOGIST.

LEAD DEPOSITS

CREVICE MAP of FAIRPLAY and VICINITY by James Wilson, Jr.

Scale 2⅜ inches = 1 mile



CREVICE MAP of BEETOWN and VICINITY by James Wilson, Jr.

Scale 4 inches = 1 mile

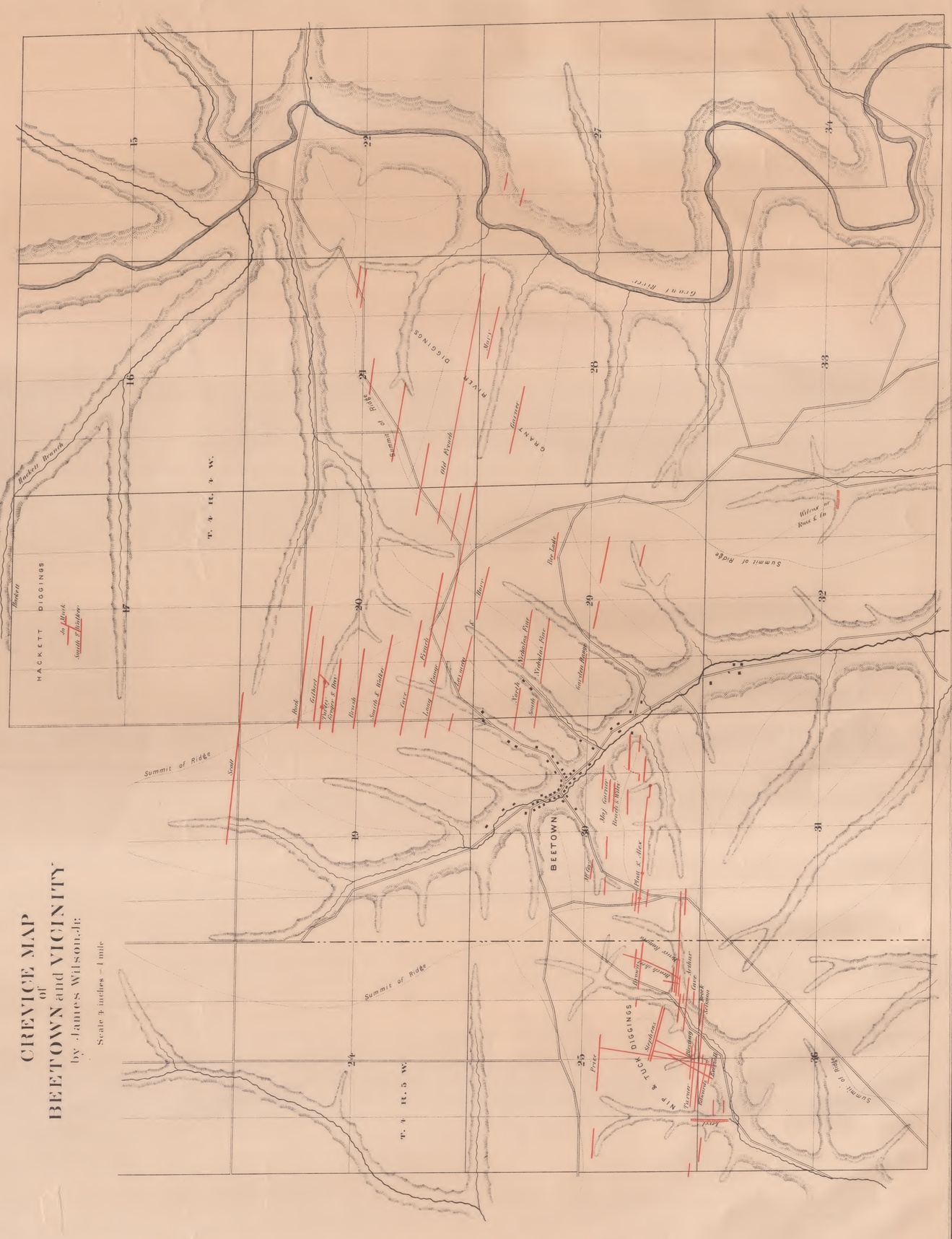

T. 4 R. 4 W.
T. 4 R. 3 W.
BEETOWN
HACKETT DIGGINGS
NIP & TUCK DIGGINGS
Rockett Branch
Summit of Ridge
Grant River
Grant River Diggings
Mill Branch
Gravel
Marl
Wilcox
Ross & Co
Ice Lodge
Ice House
Ice Pond
Ice Pond
Ice Pond
Ice Pond
Ice House
Ice House
Ice House

PLATE XXXV

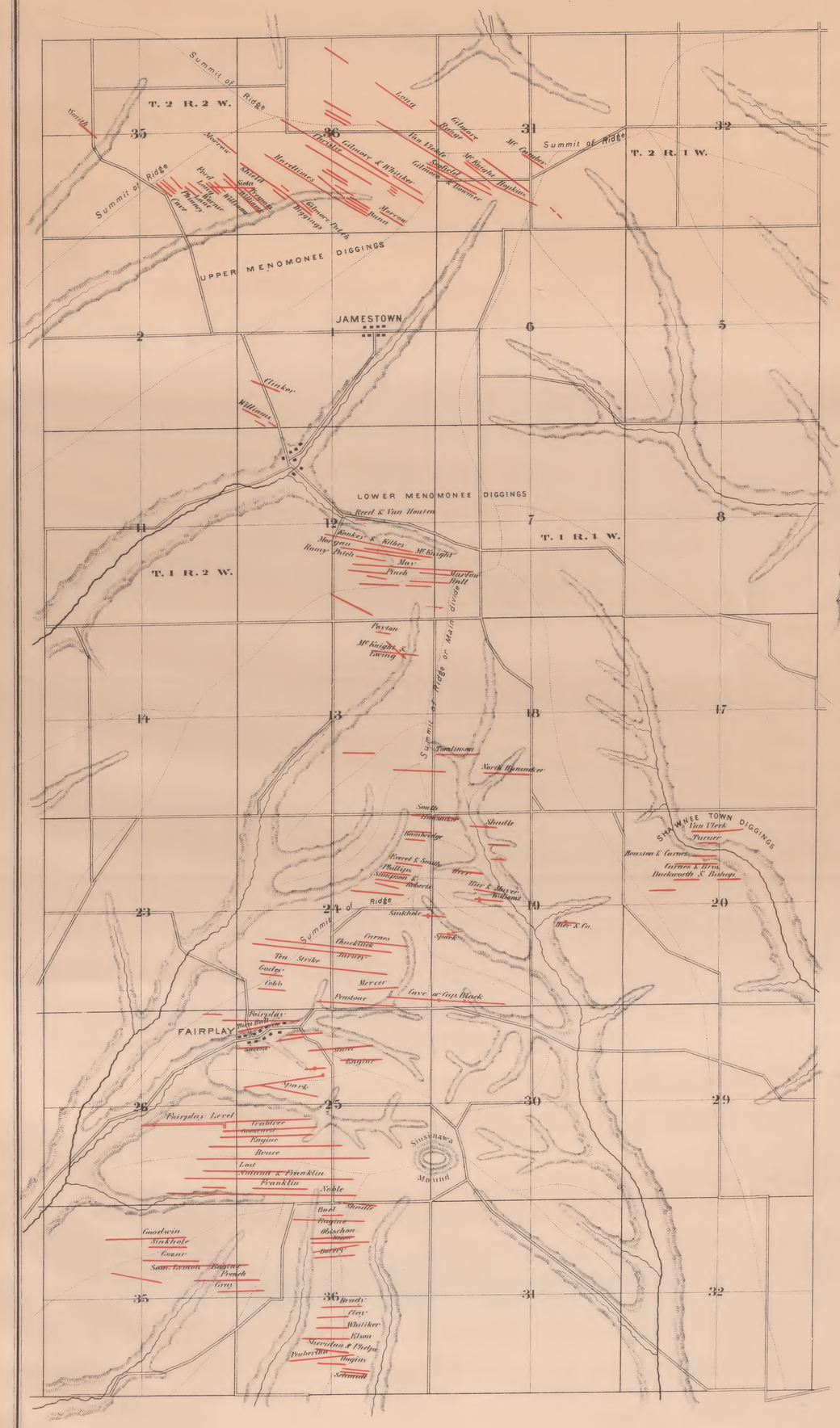
WISCONSIN GEOLOGICAL SURVEY.

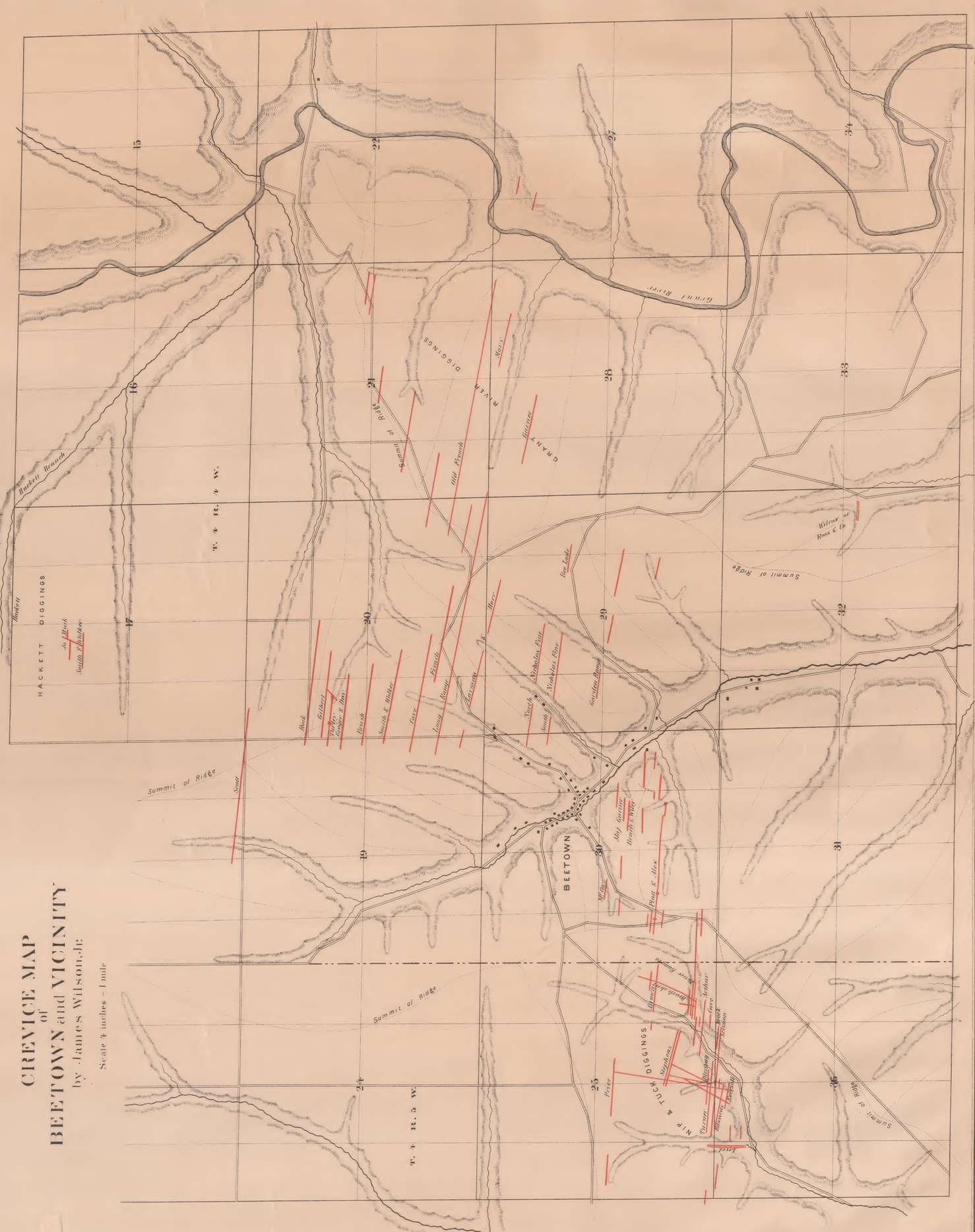
T. C. CHAMBERLIN, CHIEF GEOLOGIST.

LEAD DEPOSITS

CREVICE MAP of FAIRPLAY and VICINITY by James Wilson, Jr.

Scale 2⅜ inches = 1 mile





CREVICE MAP of BEETOWN and VICINITY by James Wilson, Jr.

Scale 4 inches = 1 mile

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ATLAS

OF THE

GEOLOGICAL SURVEY

OF

WISCONSIN.

T. C. Chamberlin,

CHIEF GEOLOGIST.

R. D. Irving, Moses Strong,

ASSISTANT GEOLOGISTS.

W. J. L. Nicodemus,

Topographical Assistant.

T. B. BROOKS, C. E. WRIGHT,

J. WILSON, J. E. DAVIES.

Special Contributors.

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#1

WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE Nº I

GENERAL GEOLOGICAL MAP OF WISCONSIN 1881.

LAKE SUPERIOR

LAKE MICHIGAN

MINNESOTA

ILLINOIS

IOWA

MICHIGAN

LEGEND

- Hm. Hamilton Cement Rock.
- L.H. Lower Helderberg(?) Limestone.
- N. Niagara Limestone.
- Cl. Clinton Iron Ore.
- H.R. Hudson River (Cincinnati) Shales.
- G. Galena Limestone.
- T. Trenton Limestone.
- St. P. St. Peters Sandstone.
- L. M. Lower Magnesian Limestone.
- P. Potsdam Sandstone.
- K. Keweenawan or Copper-bearing Group (Igneous and Sedimentary.)
- H. Huronian or Iron-bearing Group (Metamorphic)
- L. Laurentian or Granitic Group (Metamorphic)

Horizontal Scale 1 inch = 15 miles.
Vertical Scale 1 inch = 2000 feet.

Section on E.F.

Section on A.B.

Section on C.D.

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WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE Nº II

GENERAL MAP
OF THE
QUATERNARY FORMATIONS
OF
WISCONSIN
1881.

LAKE SUPERIOR

LAKE MICHIGAN

ILLINOIS

IOWA

MINNESOTA

MICHIGAN

APOSTLE ISLANDS

DULUTH

SUPERIOR CITY

BAYFIELD

ASHLAND

DOUGLAS

BAYFIELD

ASHLAND

IRON

PRICE

LANGLADE

OCONTO

MARINETTE

FLORENCE

BARRON

POLK

ST. CROIX

DUNN

PIERCE

PEPIN

EAU CLAIRE

CLARK

TAYLOR

LINCOLN

MARATHON

SHAWANO

MENOMINEE

BUFFALO

TREMPEALEAU

JACKSON

WOOD

PORTAGE

WAUPACA

OUTAGAMIE

WINNEBAGO

MANITOWOC

KEWAUNEE

DOOR

MARQUETTE

GREEN BAY

LA CROSSE

MONROE

JUNEAU

ADAMS

WAUSHARA

WAUTOMA

GREEN LAKE

FOND DU LAC

SHEBOYGAN

VERNON

RICHLAND

COLUMBIA

DODGE

WASHINGTON

OZAUKEE

PORT WASHINGTON

GRANT

IOWA

LAFAYETTE

GREEN

ROCK

JEFFERSON

WAUKESHA

MILWAUKEE

WALWORTH

RACINE

KENOSHA

DRIFTLESS AREA

State Line

Section on E.F.

Section on A.B.

Section on C.D.

Level of Lake Michigan

Limit of Drift

LEGEND.

- Drift of the First Glacial Epoch.
- Drift of the Second Glacial Epoch.
- Moraines.
- Gray Pebble Clay (Subaqueous).
- Red Pebble Clays (Subaqueous) and Associated Beach and Shallow-water Deposits.
- Driftless Area.
- Glacial Strice.
- Glacial Movements (Generalized).
- Lacustrine and Fluviatile Drift beyond General Drift Area.

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WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE Nº II A

GENERAL MAP OF THE NATIVE VEGETATION OF WISCONSIN 1882.

LAKE SUPERIOR

APOSTLE ISLANDS

DULUTH

SUPERIOR CITY

BAYFIELD

ASHLAND

DOUGLAS

BURNETT

POLK

BARRON

ST CROIX

PIERCE

PEPIN

BUFFALO

TREMPEALEAU

JACKSON

LA CROSSE

MONROE

VERNON

RICHLAND

CRAWFORD

GRANT

IOWA

LAFAYETTE

GREEN

ROCK

WALWORTH

RACINE

KENOSHA

WASHBURN

SAWYER

PRICE

TAYLOR

CLARK

MARATHON

LINCOLN

LANGLADE

OCONTO

MARINETTE

FLORENCE

FOREST

ONEIDA

VILAS

IRON

ONTONAGON

GOGEBIC

MENOMINEE

SHAWANO

WAUPACA

OUTAGAMIE

WINNEBAGO

CALUMET

MANITOWOC

SHEBOYGAN

FOND DU LAC

DODGE

COLUMBIA

SAUK

DANE

JEFFERSON

WAUKESHA

MILWAUKEE

OZAUKEE

WASHINGTON

DOOR

KEWAUNEE

BROWN

GREEN BAY

MICHIGAN

WISCONSIN

ILLINOIS

LAKE MICHIGAN

Lake Superior

Lake Michigan

Mississippi River

St Croix River

Wisconsin River

Menominee River

Fox River

Chippewa River

Black River

Flambeau River

Wolf River

Peshtigo River

Oconto River

Escanaba River

Manistique River

Ontonagon River

Bois Brule River

Montreal River

Brule River

Pine River

Namakagon Lake

Chequamegon Bay

Lake Vieux Desert

Washington Id.

Chambers Id.

Pilot Id.

Detroit Id.

Manitou Id.

Fox Id.

Summer Id.

Rock Id.

Pt. Detour

Pt. Sable

Pt. Betsie

Pt. Beaver

Pt. Wash.

Pt. Pinos

Pt. Creek

Pt. Sheboygan

Pt. Racine

Pt. Kenosha

Pt. Milwaukee

Pt. Washington

Pt. Ozaukee

Pt. Sturgeon Bay

Pt. Peshtigo Harb.

Pt. Jackson Harb.

Pt. Pensaukee

Pt. Oconto

Pt. Marquette

Pt. Escanaba

Pt. Menominee

Pt. Gravelly

WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE Nº IIB

GENERAL MAP OF THE SOILS OF WISCONSIN 1882.

LEGEND

- Sandy Soils
- Sandy Loams.
- Calcareous Sandy Loam.
- Prairie Loams (Including several sub-varieties)
- Clayey Loams, Lighter Varieties.
- Clayey Loams, Medium and Heavier Varieties.
- Clayey Loams, derived from Red Lacustrine Clays.
- Humus Soils (Embracing only those composed mainly of muck and peat)

It is practically impossible to illustrate on a map of moderate scale the innumerable variations and gradations through which the several classes of soils pass. Only the leading and prevailing types can be presented without confusion. In the northern forest region our knowledge is only general and the mapping only provisional. There are many clayey tracts in the sandy areas and sandy patches in the clayey areas. In general the soil is much more fertile than commonly supposed, the earlier lines of travel having been chosen for obvious reasons through the more open, less fertile tracts.

NOTE: Black alluvial soils occupy bottom lands very generally throughout the State, but not being distinctive of any area are not mapped.

Section on E.F.

Section on A.B.

Section on C.D.

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WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE Nº II C

GENERAL MAP
OF
RAINFALL AND TEMPERATURE
OF
WISCONSIN
1882.

Rainfall

From Observations of Smithsonian Institution and Signal Service compiled by C.A.Schott.

- Average Spring Rainfall (including melted Snow)
- Average Summer Rainfall.
- Average Autumn Rainfall (including melted Snow)
- Average Winter Precipitation (Rain and melted Snow)

Temperature

From Observations of the Signal Service 1871 to 1880, compiled by A.W. Greeley

- Isotherms for Spring (Months given separately)
- " " Summer " " "
- " " Autumn " " "
- " " Winter " " "

(Degrees, Fahrenheit.)

Section on E.F.

Section on A.B.

Section on C.D.

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GENERAL MAP
OF THE
LEAD REGION
SHOWING THE DISTRIBUTION OF THE LODES.

(FOR DETAILS SEE DISTRICT MAPS FOLLOWING.)

by James Wilson, Jr.

1880.

NOTE:

It is impracticable to indicate on a map of this kind the relative richness of the several deposits. The minor districts and scattered lodes are comparatively too conspicuous.

EXPLANATION:

Ore in Crevices thus ——

Ore in Flats thus ▭▭

Ore in Pitches thus ⟋⟋

Note. It is impracticable to completely observe these distinctions in mapping as the forms graduate into each other and are often combined.

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1882
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WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

LEAD and ZINC DEPOSITS

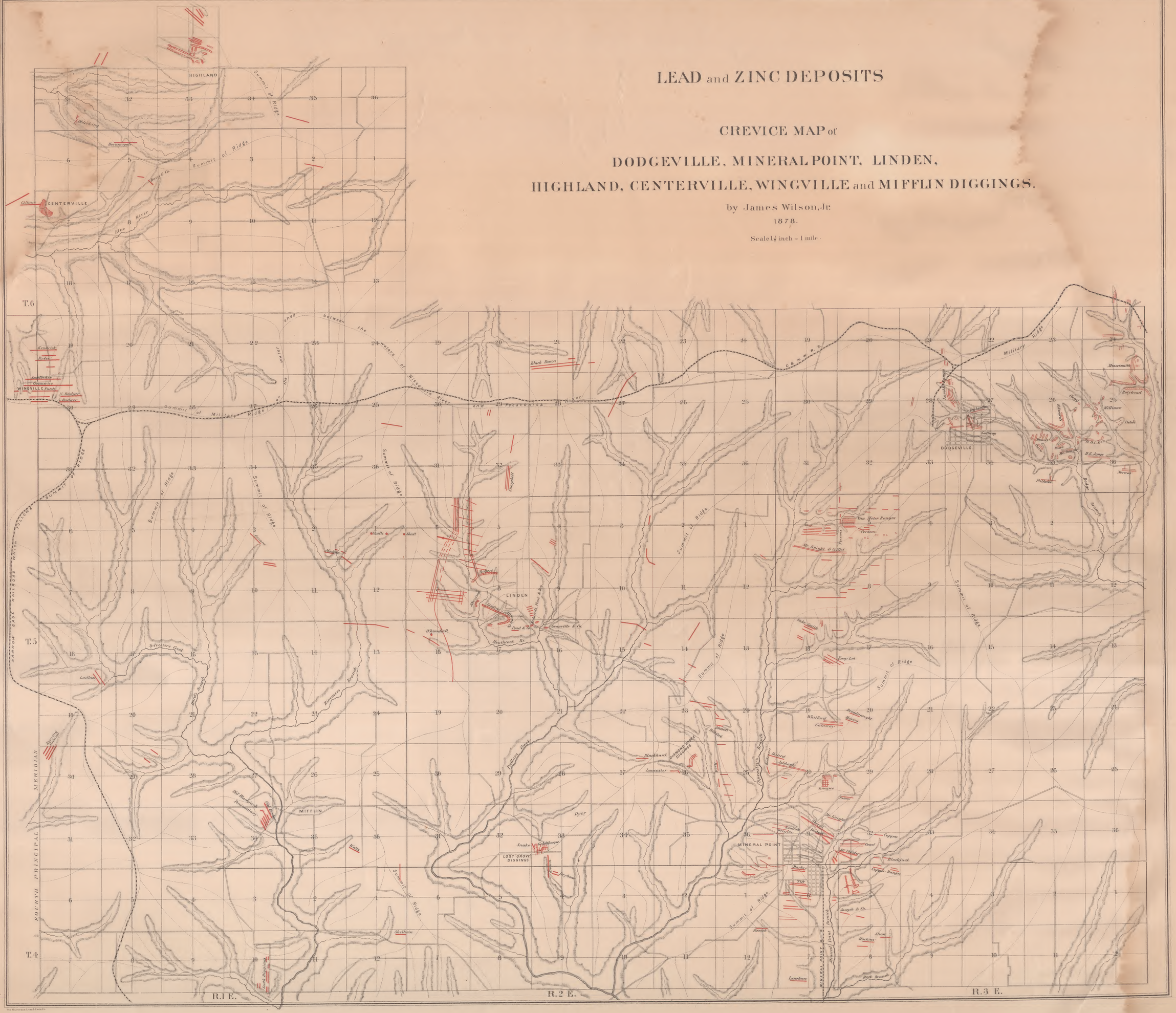
CREVICE MAP of

DODGEVILLE, MINERAL POINT, LINDEN, HIGHLAND, CENTERVILLE, WINGVILLE and MIFFLIN DIGGINGS.

by James Wilson, Jr.

1878.

Scale 1½ inch = 1 mile.



WISCONSIN GEOLOGICAL SURVEY.

T. C. CHAMBERLIN, CHIEF GEOLOGIST.

PLATE XXXIII

MAP OF ORE-BEARING CREVICES OF PLATTEVILLE, WHIG, BIG PATCH and VICINITY

by James Wilson, Jr.

Scale 2⅔ inches = 1 mile.

MAP OF ORE-BEARING CREVICES OF ELK GROVE.

Located Cox Gulch
QE 84.3 .A95x 1872 .C5 Gu12i